

Claims

We Claim:

- 1 . A heat pump type water heater employing energy in hot air, comprising a compressor, a condenser unit, a throttle valve and an evaporator unit connected to each other, wherein said condenser unit comprises a plurality of condensers, each of the plurality of condensers comprises a water tank and a heat radiator within the water tank, and each of the water tank is provided with an inlet and an outlet in a water piping system and a hot water outlet.
2. A heat pump type water heater employing energy in hot air according to claim 1, wherein said evaporator unit includes an evaporator for providing refrigerating capacity indirectly and an evaporator for providing refrigerating capacity directly, in which the evaporator for providing refrigerating capacity indirectly is provided with a housing having a cold water inlet and outlet on it and the evaporator for providing refrigerating capacity directly is provided with a fan.
3. A heat pump type water heater employing energy in hot air according to claim 1, wherein the water tanks of the plurality of condensers are connected to each other in series in the water piping system.
4. A heat pump type water heater employing energy in hot air according to claim 1, 2 or 3, wherein said compressor, the condenser unit, the throttle valve and the evaporator unit are provided within a case.
5. A heat pump type water heater employing energy in hot air according to claim 1, wherein said condenser unit is provided within its own housing, on which are provided with a refrigerating fluid inlet and an outlet and a water inlet and outlet.